

## INDEX OF CONTENTS

# Synthetic Organic Chemicals

VOLUMES I TO VII  
SEPTEMBER, 1927—JULY, 1934

### General Articles

	VOL. NO.	ISSUE NO.
Acids and Alcohols, Preparation of Esters for Identifying...	VI	3
Aldehydes, Preparation of.....	VI	5
Aliphatic Alcohols, Sources of the Common.....	II	2
Alkylating Agents.....	V	2
Azoxy Compounds, Preparation of.....	VII	1
<i>B. Coli</i> versus <i>B. Aerogenes</i> .....	VI	1
Carbohydrates, Some.....	I	1
Cellulose Acetate Plasticizers.....	IV	4
Cellulose Acetate Solvents.....	II	5
Chelate Compounds.....	VII	5
Determination of Metals with 8-Hydroxyquinoline.....	IV	3
Diazonium Compounds—Their Use in Organic Synthesis.....	V	4
Diphenylthiocarbazone—A New Reagent for Heavy Metals	VII	4
Dry-Cleaning Industry, Organic Chemicals in the.....	VI	2
Ergosterol, Story of.....	I	3
Ethylene Oxide and Some of Its Reactions.....	VII	3
Flotation Reagents.....	IV	5
Fries Reaction.....	VII	4
Furfural Derivatives.....	V	1
Grignard Reagents, Reactions with.....	V	3
Halogenated Phenolphthaleins in X-ray Examinations of the Gall Bladder.....	I	4
Healing Activity of Organic Compounds Containing the Sulfhydryl Group.....	III	5
Heavy Organic Liquids.....	III	4
Indicators, Synthetic Chemicals as.....	II	4
Ketenes, Preparation and Reactions of.....	VII	2
Microscope as an Aid to Organic Chemistry, The.....	VI	4
Molecular Weight Determination by the Freezing Point Method, Liquids for.....	V	1
Natural Gas and Its Uses.....	III	2
Non-Aqueous Solutions.....	VII	3

## SYNTHETIC ORGANIC CHEMICALS

---

	VOL. NO.	ISSUE NO.
Photographic Sensitizers . . . . .	I	2
Plant Stimulants, Organic Chemicals as . . . . .	III	1
Preparation of Synthetic Organic Chemicals at Kodak Park . . . . .	I	1
Pyrrole and Some of Its Derivatives . . . . .	VI	1
Quinhydrone Electrode . . . . .	II	1
Racemic Substances, Resolution of . . . . .	V	5
Reference Fuels Used as Anti-Knock Standards . . . . .	IV	2
Refractive Index, Liquids for Measuring . . . . .	V	4
Removal of Water from Organic Compounds . . . . .	IV	1
Rubber Accelerators, Organic Chemicals as . . . . .	III	3
Sugar Acids . . . . .	VII	5
Thionyl Chloride in Organic Synthesis . . . . .	III	4
Use of Organic Chemicals in Analytical Procedures . . . . .	VII	2

## Laboratory Apparatus and Procedures

Bubbler-Type Distilling Column, Improvement in the . . . . .	IV	5
Constant Temperature Bath . . . . .	II	1
Distillation Flask, Anti-Creep . . . . .	VI	4
Distillations, "Bumping" . . . . .	III	5
Distillation, Continuous Low Pressure . . . . .	III	3
Distillations, Tackling Difficult . . . . .	II	3
Extraction Apparatus for the Laboratory . . . . .	I	5
Filtration Aids, Novel . . . . .	III	4
Filtration in Organic Preparations, Hints on . . . . .	I	3
Fractionating Columns for the Laboratory, Efficient . . . . .	III	1
Frothing Liquids, Distillation Set-up for . . . . .	IV	2
Glass Blowing Technique . . . . .	II	4
Glass Condenser, Rugged . . . . .	V	2
Indicator Chart, Improved . . . . .	V	5
Laboratory Distilling Head, Convenient . . . . .	II	5
Liebig Condenser, Modified . . . . .	VII	1
Manometer for the Organic Laboratory, Improved . . . . .	IV	1
Micro Molecular Weight Determinations . . . . .	VI	5
Pipette for Measuring Corrosive and Toxic Liquids . . . . .	II	2
Separator for Organic Liquids, Continuous . . . . .	I	4
Steam Distillation Set-up, Compact . . . . .	VII	4
Still Head, Water-Cooled . . . . .	VI	2
Stirrer for Taking Melting Points, Convenient . . . . .	V	3
Stirrers, Laboratory . . . . .	IV	4

## INDEX

### Organic Chemicals as Analytical Reagents

	VOL. NO.	ISSUE NO.
<b>ALUMINUM—</b>		
Alizarin S; Aurin Tricarboxylic Acid (Ammonium Salt); Hematoxylin; o-Hydroxyquinoline . . . . .	II	3
<b>ANTIMONY—</b>		
Pyrogallol; Hexamethylenetetramine; Phenylthiohydantoic Acid . . . . .	VI*	1
<b>BERYLLIUM—</b>		
Curcumin; 8-Hydroxyquinoline . . . . .	IV	5
<b>BISMUTH—</b>		
Cinchonine; Dimethylglyoxime; 8-Hydroxyquinoline; Pyrogallol . . . . .	V	5
Formaldehyde; 8-Hydroxyquinoline; Quinoline; Thiourea.	VII	5
<b>BORON—</b>		
Curcumin; Mannitol; Methyl Alcohol . . . . .	V	2
<b>CADMIUM—</b>		
Hexamethylenetetramine Alliodide; Ethylenediamine; Allyl- thiourea; Pyridine . . . . .	IV	4
<b>CALCIUM—</b>		
Alizarin; Aminonaphthol Sulfonic Acid; Malonic Acid, Potassium Cyanate; Oleic Acid; Thymolphthalein . . . . .	III	2
<b>CHROMIUM—</b>		
1,8-Dihydroxynaphthalene-3,6-Disulfonate; Pyrogallol Di- methyl Ether; Diphenylcarbazide; Diphenylamine . . . . .	II	4
<b>COBALT—</b>		
Dimethylglyoxime; Dinitrosoresorcinol; Nitroso- $\beta$ -Naph- thol; Nitroso-R-Salt; Phenylthiohydantoic Acid . . . . .	I	4
<b>COPPER—</b>		
$\alpha$ -Benzoinoxime (Cupron); Phenylthiohydantoic Acid; s-Diphenylcarbazide . . . . .	I	1
Dinitrosoresorcinol; Hydroquinone; $\alpha$ -Naphthol; Phenol- phthalin; Pyridine; Benzidine, Tolidine; Isatin . . . . .	I	2
Sodium Diethyldithiocarbamate; p-Dimethylaminobenzal- Rhodanine . . . . .	IV	3
<b>GOLD—</b>		
Formaldehyde; Phenylhydrazine; Benzidine; o-Tolidine; m-Phenylenediamine . . . . .	II	5
<b>IRON—</b>		
Thioglycollic Acid; Alloxanthin; Dinitrosoresorcinol; Diphenylamine . . . . .	I	5
Acetone; Ammonium Thiocyanate; Iso-Amyl Alcohol, Ethyl Ether; Cysteine; Hexamethylenetetramine; $\alpha$ -Nitroso- $\beta$ -Naphthol, Dimethylaminoazobenzene; Sulfosalicylic Acid . . . . .	II	2

(OVER)

## SYNTHETIC ORGANIC CHEMICALS

	VOL. NO.	ISSUE NO.
Cupferron; Dimethylglyoxime; Iso-Nitrosoacetophenone; Acetylacetone; Salicylic Acid.....	II	1
<b>LEAD—</b>		
Ammonium Thiocyanate-Pyridine; s-Diphenylcarbazide; Aniline; Tetramethyldiaminodiphenylmethane.....	III	1
<b>MAGNESIUM—</b>		
Hydroquinone; p-Nitrobenzeneazoresorcinol; Clayton Yellow.....	III	5
Dimethylamine; 8-Hydroxyquinoline; Oleic Acid.....	IV	1
<b>MANGANESE—</b>		
Benzidine Hydrochloride; Potassium Periodate; Tetra- methyldiaminodiphenylmethane.....	VII	3
<b>MERCURY—</b>		
p-Dimethylaminobenzal-Rhodanine; Propylenediamine; Diphenylthiocarbazone; Pyridine.....	VII	4
<b>MOLYBDENUM—</b>		
Ethyl Ether; Phenylhydrazine; Potassium Ethyl Xanthate, Chloroform; Tannic Acid.....	V	4
<b>NICKEL—</b>		
$\alpha$ -Benzil Dioxime; Dicyandiamidine Sulphate; Dimethyl- glyoxime; Potassium Dithio-Oxalate.....	I	3
<b>PLATINUM AND PALLADIUM—</b>		
p-Dimethylaminobenzalrhodanine; Dimethylglyoxime; Formic Acid; 6-Nitroquinoline.....	VI	4
<b>POTASSIUM—</b>		
N-Butyl Alcohol, Ethyl Acetate, Perchloric Acid; Sodium 5-Nitro-6-Chlorotoluene-3-Sulfonate.....	VII	1
<b>SELENIUM AND TELLURIUM—</b>		
Hydrazine Hydrochloride; Hydriodic Acid; Hydroquinone; Hydroxylamine Hydrochloride, Hydrazine Hydrochlo- ride; Oxalic Acid.....	VI	3
<b>SILVER—</b>		
p-Dimethylaminobenzal-Rhodanine; Dichlorofluorescein; Chromotropic Acid; Methylamine.....	IV	2
<b>TITANIUM—</b>		
Cupferron; 8-Hydroxyquinoline; 5,7-Dibromo-8-Hydroxy- quinoline; Tannic Acid.....	VI	2
<b>TITANIUM AND MOLYBDENUM—</b>		
Cupferron; $\alpha$ -Benzoin Oxime.....	VII	2
<b>TUNGSTEN—</b>		
Benzidine; Cinchonine; Phenylhydrazine Hydrochloride; Uric Acid.....	V	3
<b>VANADIUM—</b>		
Aniline; Diphenylbenzidine; Safranine.....	V	1
<b>ZINC—</b>		
Diphenylbenzidine; 8-Hydroxyquinoline; Resorcinol.....	III	3
Diphenylamine; Pyridine.....	III	4

Chemical

## INDEX OF CONTENTS

# SYNTHETIC ORGANIC CHEMICALS

VOLUMES VIII TO XV

1934-1943

### General Articles

	VOL. NO.	ISSUE NO.	YEAR
Acetylene, Simple Halogen Derivatives of.....	XV	3	1943
Alkanesulfonic Acids, Formation and Properties of.....	XIV	4	1942
Amide in Organic Synthesis, The Use of Sodium.....	XIII	5	1941
Amino Acids in Growth, The Role of.....	X	2	1937
Analytical Chemistry, Specific Organic Reagents of.....	XIV	5	1942
Aromatic Acid Chlorides with Grignard Reagents, Reactions of.....	XIII	2	1941
Aromatic Aldehydes, A Survey of Preparative Methods for	XV	2	1943
Catalysts, Organic.....	X	1	1936
Cellulose Mixed Esters.....	XII	1	1939
Cellulose, Oxidized.....	XV	1	1943
Chlorophyll.....	VIII	5	1935
Co-ordinate Valence in Organic Chemistry.....	VIII	2	1934
De-Ashed Gelatin in a New Form, Eastman.....	IX	2	1936
Diene Synthesis, The Diels-Alder.....	X	5	1937
Drying Oils, The Hardening of.....	XI	1	1938
Esters, Preparation of.....	IX	3	1936
Ethanes, Hexasubstituted.....	VIII	4	1935
Fatty Acids, Oxidation of.....	VIII	1	1934
Fischer Reagent for Determination of Water, Karl.....	XIII	3	1941
Free Radicals in Organic Chemistry, The Role of.....	IX	5	1936
Furan, Some Metallic Compounds of.....	IX	3	1936
Gelatin in a New Form, Eastman De-Ashed.....	IX	2	1936
Heterocyclic Systems in Dye Chemistry.....	XI	2	1938
Hexasubstituted Ethanes.....	VIII	4	1935
Hydrogen Bridges.....	XII	2	1939
Immersion Media for Determining Refractive Index.....	VIII	4	1935
Indicator Solutions, Preparation of.....	IX	4	1936
Indicators, Oxidation-Reduction.....	VIII	3	1935
Isotopes, Experimental Methods in Research with Stable..	XIV	3	1942
Isotopes as Tracers, Recent Applications of.....	XIV	4	1942

	VOL. NO.	ISSUE NO.	YEAR
Isotopes for the Chemist and Biologist, Separated Stable.	XIV	1	1942
Ketonic Cyclopropanes, The Synthesis and Relative Stability of Certain.....	X	3	1937
Macrocyclic Compounds, Synthesis of—Depolymerization or Radical-Interchange Method—Part I.....	XII	3	1940
Macrocyclic Compounds, Synthesis of—High-Dilution Method—Part II.....	XII	4	1940
Microscopic Technique, The Use of 1,4-Dioxane in.....	X	3	1937
National Symposium of Organic Chemistry, The.....	IX	1	1935
Oligosaccharides, Synthesis of.....	XIII	1	1941
Orthoesters, Some Reactions and Applications of.....	X	4	1937
Oxidation-Reduction Indicators.....	VIII	3	1935
Perfumery, Synthetics Used in—Part I.....	XI	3	1938
Perfumery, Synthetics Used in—Part II.....	XI	4	1938
Phthalocyanine Dyes and Pigments.....	XIV	2	1942
Plant Growth Stimulants, Organic Chemicals as.....	IX	2	1936
Polyene Compounds.....	XIII	4	1941
Quinoline and Its Derivatives.....	XI	5	1938
Reagents of Analytical Chemistry, Specific Organic.....	XIV	5	1942
Refractive Index, Immersion Media for Determining.....	VIII	4	1935
Sodium Amide in Organic Synthesis, The Use of.....	XIII	5	1941
Surface-active Compounds.....	XIII	3	1941
Vacuum Distillation in Organic Research.....	XIII	5	1941
Valence, Types of.....	VIII	1	1934
Water, Karl Fischer Reagent for Determination of.....	XIII	3	1941

## Laboratory Apparatus and Procedures

Adapter, A Convenient.....	X	4	1937
Antifoam Device.....	XIV	3	1942
Chemiluminescence Demonstrations.....	VIII	3	1935
Concentrator, A Vacuum.....	IX	5	1936
Constant-Temperature Bath.....	XV	1	1943
Distillations, Apparatus for Eastman.....	X	1	1936
Drier, Apparatus.....	X	5	1937
Extraction Apparatus, A Laboratory.....	XIII	4	1941
Fractionation Column.....	XIV	5	1942
Melting Point Apparatus.....	X	2	1937
Pump and Some New Pump Oils, A Fractionating Vacuum	IX	1	1935
Reflux Condenser for Preparation of Esters.....	XI	1	1938
Shaker for Chemicals, A Mechanical.....	XIV	1	1942
Stillhead Suitable for the Preparation of Esters.....	XV	3	1943
Stirrer for Coarse Solids, Glass.....	XIV	4	1942
Temperature Regulator.....	VIII	2	1934

## Index of Contents

### Organic Chemicals as Analytical Reagents

	VOL. NO.	ISSUE NO.	YEAR
ALUMINUM			
8-Hydroxyquinoline; Cupferron; Salicylic Acid.....	IX	5	1936
ARSENIC AND BARIUM			
8-Hydroxyquinoline Sulfate.....	VII	2	1934
BERYLLIUM			
p-Nitrobenzeneazoocinol; Quinalizarin; Ethylenediamine.....	XI	1	1938
BISMUTH			
Quinoline (1st method); Quinoline (2nd method); Mercaptobenzothiazole.....	X	1	1936
CADMUM AND MOLYBDENUM			
$\alpha$ -Benzoinoxime; Cyclohexanol; 1-(2 Quinolyl)- 4-Allyl Thiosemicarbazide.....	IX	3	1936
CHLORINE			
o-Tolidine; Dichlorofluorescein; Nitrosodimethylaniline; Sodium Nitroprusside.....	VIII	3	1935
COBALT			
Pyridine; Dimethylglyoxime; Ethylenediamine; $\alpha$ -Ni- troso- $\beta$ -Naphthol; Ammonium Thiocyanate.....	XIII	1	1941
GOLD			
Dimethylglyoxime; Hydroquinone; 4,4'-Tetramethyldi- aminotriphenylmethane.....	XI	2	1938
HALOGENS			
Bromide—Phenol Red; Fuchsin.....	VIII	5	1935
Chlorides or Bromides—Brom Phenol Blue.....	VIII	5	1935
Chlorine or Bromine—Resorufin.....	VIII	4	1935
Fluorides—Triphenyltin Chloride.....	VIII	4	1935
Fluorine (in water)—Sodium Alizarinsulfonate.....	VIII	4	1935
IRON			
Resacetophenone; 7-Iodo-8-Hydroxyquinoline-5-Sulfonic Acid.....	X	4	1937
IRON			
Quercetin; $\alpha$ , $\alpha'$ -Dipyridyl.....	XIII	2	1941
POTASSIUM			
Nitroso-R Salt; Dipicrylamine; <i>dl</i> -Tartaric Acid.....	X	3	1937
RARE EARTH METALS			
Cerium—Methylene Blue; Arsanilic Acid; 4,4'-Tetra- methyldiaminotriphenylmethane; Brucine.....	XI	5	1938
Europium (bivalent)—Cacotheline.....	XI	5	1938
Lanthanum—8-Hydroxyquinoline.....	XI	5	1938
SELENIUM			
1,8-Diaminonaphthalene; Thiourea; Pyrrole.....	XI	3	1938
SODIUM (IN BLOOD)			
$\alpha$ -Naphthylamine and Sulfanilic Acid.....	VIII	2	1934
TIN			
Cupferron; Dimethylglyoxime; Phenylarsonic Acid....	VIII	1	1934

	VOL. NO.	ISSUE NO.	YEAR
<b>VANADIUM</b>			
8-Hydroxyquinoline-5-Sulfonic Acid; Cupferron; p-Phenetidine; Barium Diphenylamine Sulfonate; Rochelle Salt; Mannitol; Glycerol; Sucrose; $\alpha$ -Nitroso- $\beta$ -Naphthol.....	XII	4	1940
<b>ZINC</b>			
Quinaldinic Acid; Methyl Red.....	X	5	1937
<b>ZIRCONIUM</b>			
n-Propylarsonic Acid; p-Dimethylaminoazophenylarsonic Acid; $\beta$ -Nitroso- $\alpha$ -Naphthol; Cupferron and 8-Hydroxyquinoline; Alizarin.....	XI	4	1938

### Eastman Organic Chemicals

Analytical Reagents, Organic Chemicals as.....	IX	4	1936
Chemicals for Immediate Shipment.....	XII	3	1940
Eastman Organic Chemicals.....	XI	3	1938
Organic Chemicals in Commercial Quantities.....	XIII	2	1941
Packaging of Eastman Organic Chemicals, The.....	XII	1	1939
Testing of Eastman Organic Chemicals.....	XIV	3	1942
Tests Prove the Quality.....	XI	4	1938

### Author Index

Allen, C. F. H.....	XI	3	1938
Allen, C. F. H.....	XI	4	1938
Bachman, G. B.....	X	5	1937
Bell, A.....	XII	3	1940
Brooker, L. G. S.....	XIII	4	1941
Cressman, H. W. J.....	X	3	1937
Fierke, S. S.....	X	2	1937
Fordyce, C. R.....	XI	1	1938
Frame, G. F.....	XII	4	1940
Hickman, K. C. D.....	XIII	5	1941
Huggins, M. L.....	XII	2	1939
Jones, J. E.....	XV	2	1943
Lowe, W. G.....	IX	3	1936
Murray, T. F., Jr.....	IX	5	1936
Perry, E. S.....	XIV	5	1942
Peterson, W. D.....	XI	2	1938
Pool, S. C.....	XV	3	1943
Porter, H. D.....	XIII	5	1941
Reynolds, D. D.....	XIII	1	1941
Sawdey, G. W.....	X	4	1937
Stewart, D. W.....	XIV	1	1942
Stewart, D. W.....	XIV	3	1942
Straley, J. M.....	XI	5	1938
Swan, D. R.....	XIII	3	1941
Taylor, G. J.....	XIV	2	1942
Unruh, C. C.....	XV	1	1943
VanCampen, J. H.....	XIII	2	1941
Weissberger, A.....	X	1	1936
Williams, W. W.....	XIV	4	1942

## INDEX OF CONTENTS

### *Synthetic Organic Chemicals, Volumes 16 to 19 (1944-1947)*

### *Organic Chemical Bulletin, Volume 20 (1948)*

#### GENERAL ARTICLES

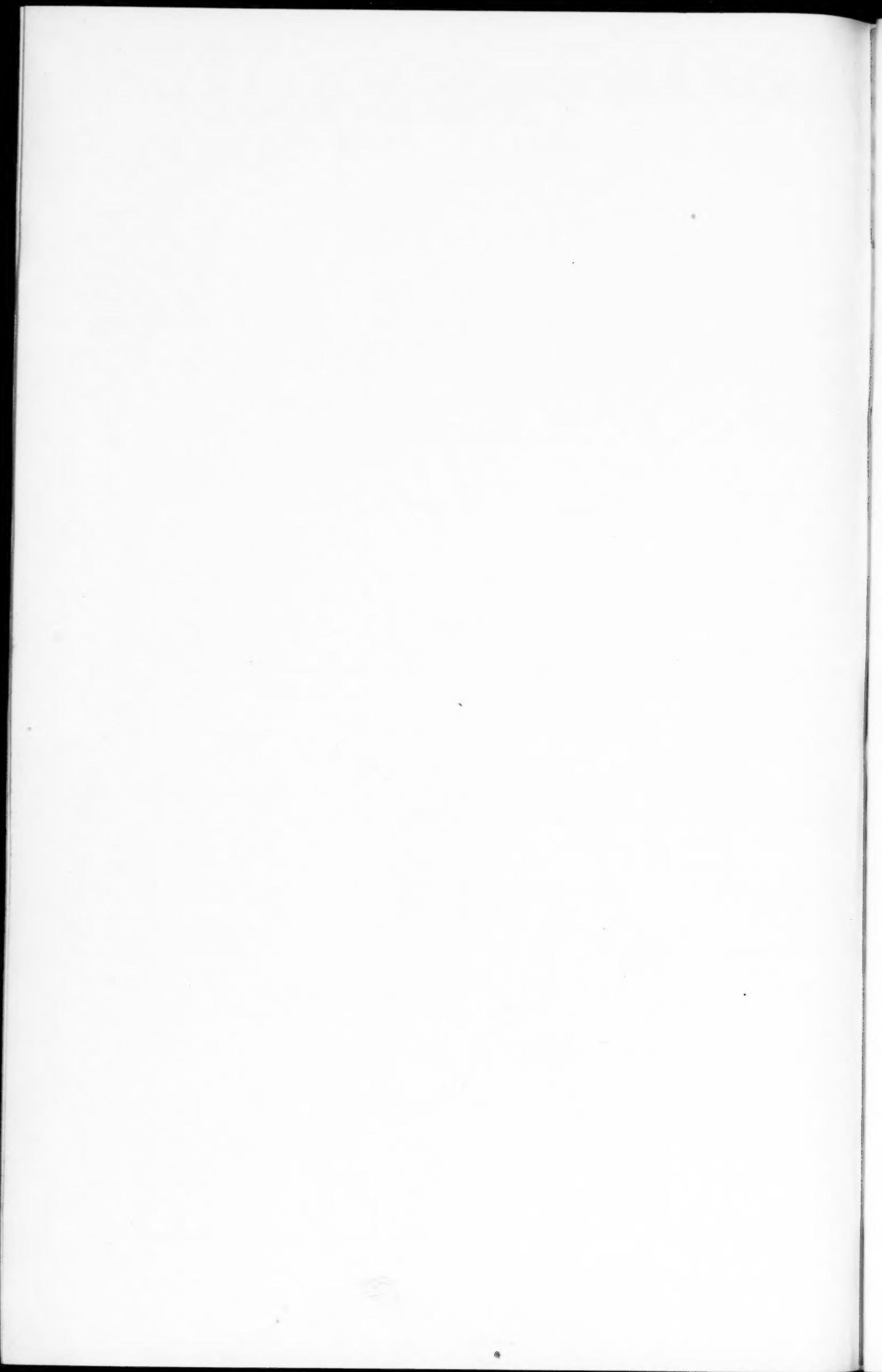
	<i>Vol. Issue</i>	<i>No. No.</i>	<i>Year</i>
Acetylenic Alcohols, The Preparation of . . . . .	19	3	1947
Alcohols, A New Reagent for the Purification and Identification of . . . . .	16	4	1944
Alkyl Amines, Laboratory Preparation of . . . . .	17	2	1945
Antimalarials, The Synthetic: Atabrine and Plasmochin . . . . .	16	2	1944
Azulenes . . . . .	19	3	1947
Boron Fluoride Catalysis of Organic Reactions . . . . .	19	1	1947
Cancer-Producing Hydrocarbons . . . . .	18	4	1946
Carbonyl Compounds, Girard's Reagent for the Isolation of . . . . .	18	3	1946
Chromatography, Practical . . . . .	16	3	1944
Cyclopentenones, A New Synthesis of . . . . .	20	1	1948
1,4-Diketones, The Preparation of Saturated . . . . .	19	4	1947
Fluorine Compounds, Aliphatic . . . . .	20	2	1948
German Chemical Industry, New Syntheses of Intermediates in the . . . . .	20	4	1948
Karl Fischer Reagent, Titrimetric Procedures Using the . . . . .	18	1	1946
$\beta$ -Ketoesters, Preparation of . . . . .	17	3	1945
Linear Polynuclear Hydrocarbons . . . . .	16	2	1944
Organometallic Compounds, Electronegativity of Organic Radicals in . . . . .	16	4	1944
Oxo Process, The . . . . .	18	3	1946
Perfume Industry, New Woody-Type Odors of Interest to the . . . . .	19	4	1947
Peroxides, Organic . . . . .	18	2	1946
Polymerization, Reduction Activation of Addition . . . . .	20	1	1948
Pressure Equipment in Synthetic Organic Chemistry, The Use of . . . . .	16	1	1944
Telomers . . . . .	20	3	1948
X-ray Diffraction Data, Pictures of Organic Molecules from . . . . .	17	1	1945

#### LABORATORY APPARATUS

Calorimeter, A Simple Automatic Recording . . . . .	<i>Vol. Issue</i>	<i>No. No.</i>	<i>Year</i>
Extractor, A Streamlined . . . . .	18	1	1946
Gas Absorber Column, A . . . . .	16	4	1944
Glass Pump, A Laboratory . . . . .	17	3	1945
Hydrogenator, A Quantitative Semimicro . . . . .	17	1	1945

#### AUTHOR INDEX

	<i>Vol. Issue</i>	<i>No. No.</i>	<i>Year</i>		<i>Vol. Issue</i>	<i>No. No.</i>	<i>Year</i>
Allen, C. F. H. . . . .	16	2	1944	Jones, J. E. . . . .	19	1	1946
Allen, C. F. H. . . . .	18	3	1946	Jones, J. E. . . . .	19	2	1946
Allen, C. F. H. . . . .	19	3	1947	Kibler, C. J. . . . .	17	3	1945
Allen, C. F. H. . . . .	19	4	1947	Leiserson, L. . . . .	18	2	1946
Allen, C. F. H. . . . .	20	1	1948	Pingert, F. P. . . . .	18	1	1946
Byers, J. R., Jr. . . . .	19	4	1947	Robeson, C. D. . . . .	16	4	1944
Cathcart, J. A. . . . .	18	4	1946	Shantz, E. M. . . . .	17	1	1945
Cawley, J. D. . . . .	16	3	1944	Stannin, T. F. . . . .	20	1	1948
Cawley, J. D. . . . .	18	3	1946	Tong, L. K. J. . . . .	18	4	1946
Clark, J. H. . . . .	19	3	1947	Towne, E. B. . . . .	16	4	1944
Dickey, J. B. . . . .	16	1	1944	Towne, E. B. . . . .	20	2	1948
Dickey, J. B. . . . .	17	2	1945	Van Allan, J. A. . . . .	20	3	1948
Hasche, R. L. . . . .	20	4	1948	Wernimont, G. . . . .	18	1	1946
Huggins, M. L. . . . .	17	1	1945	Wilson, C. V. . . . .	16	2	1944



## Index of Contents

### ORGANIC CHEMICAL BULLETIN

#### Volumes 21 through 29 (1949-1957)

##### GENERAL ARTICLES

<i>Title</i>	<i>Vol. No.</i>	<i>Issue No.</i>	<i>Year</i>
Acetals.....	23	2	1951
Alkanephosphonic Acids and Derivatives.....	23	4	1951
Alkylation of Carbanions.....	25	4	1953
Application of Paper Chromatography to Organic Chemistry.....	27	3	1955
Brominations by N-Bromosuccinimide and Related Compounds, Recent Advances in.....	24	3	1952
Cleavage of Pyridine-Type Rings.....	25	3	1953
Colorimetric Microdetermination of Creatinine and Creatine in Blood and Urine.....	23	2	1951
Determination of Carbohydrates and Carbohydrate Compounds Using Anthrone...	23	1	1951
Dithizone as an Analytical Reagent.....	21	4	1949
Fluorescene and the Structure of Organic Molecules.....	28	4	1956
Fluorescent Indicators.....	29	4	1957
Glycerides.....	26	1	1954
Homophthalic Acid and Some of Its Derivatives	23	1	1951
Inclusion Compounds.....	29	2	1957
	29	3	1957
Indicator Chart.....	23	3	1951
Lactones.....	24	1	1952
Mass Spectrometer in Organic Chemistry, The..	26	2	1954
Mercaptans.....	21	2	1949
"Meso-Ionic" Compounds.....	22	2	1950
Micromethod for the Determination of Ethylenediaminetetraacetic Acid (EDTA)...	26	1	1954
New Analytical Procedures in Which Organic Chemicals Are Used.....	26	3	1954
New Syntheses of Intermediates in the German Chemical Industry.....	21	1	1949
Nonaqueous Titrations .....	28	3	1956
Organic Calcium Co-ordinate Compounds.....	23	3	1951
Organic Reagents in Analytical Chemistry.			
Ethylenediaminetetraacetic Acid (EDTA)....	24	2	1952
Oxo Reaction as a Synthetic Method, The.....	27	1	1955
Phenoxyaliphatic Acids and Their Derivatives..	28	2	1956
Polyphosphoric Acid .....	29	1	1957
	29	2	1957
Reactions of Hydroquinone and Derivatives, The	25	1	1953
	25	2	1953

<i>Title</i>	<i>Vol. No.</i>	<i>Issue No.</i>	<i>Year</i>
Reactions of Ketene.....	22	1	1950
Reagent to Identify Carbonyl Compounds.....	21	2	1949
Replacement of a Carboxyl Group by a Halogen Resin Acids.....	21	1	1949
Sodium Diethyldithiocarbamate as an Analytical Reagent.....	26	3	1954
Solvents for Spectrophotometry.....	24	1	1952
Sulfinic Acids, The Preparation of.....	24	4	1952
Synthesis of the Hydrazines.....	25	2	1953
Thionylamines.....	21	3	1949
Thionylamines.....	27	2	1955
Use of N <sup>15</sup> Compounds in Determining Organic Structures and Mechanisms.....	28	1	1956

#### LABORATORY APPARATUS

<i>Apparatus</i>	<i>Vol. No.</i>	<i>Issue No.</i>	<i>Year</i>
Automatic Constant-Rate Addition Funnel, An. Self-Aligning All-Purpose Glass-Seal Stirring Assembly, A.....	27	3	1955
Still-Head, A.....	24	3	1952
Still-Head, A.....	26	1	1954

#### AUTHOR INDEX

<i>Author</i>	<i>Vol. No.</i>	<i>Issue No.</i>	<i>Year</i>	<i>Author</i>	<i>Vol. No.</i>	<i>Issue No.</i>	<i>Year</i>
Allen, C. F. H.....	24	1	1952	Hasek, R. H.....	27	1	1955
Ames, S. R.....	27	3	1955	Henn, R. W.....	23	3	1951
Anderson, D. H., and Stewart, D. W. 24	4	1952		Humphlett, W. J....	25	4	1953
Baron, M.....	29	2	1957	Humphlett, W. J....	27	3	1955
Baron, M.....	29	3	1957	Kennard, K. C.....	27	2	1955
Batesky, D. C.....	28	2	1956	Kennard, K. C.....	29	1	1957
Beavers, D. J.....	28	1	1956	Kennard, K. C.....	29	2	1957
Brokaw, G. Y.....	26	1	1954	Laakso, T. M.....	25	2	1953
Cawley, J. D.....	24	3	1952	Malan, R. L.....	21	3	1949
Coover, H. W.....	23	4	1951	Stewart, D. W., and Anderson, D. H....	24	4	1952
Crane, E. M.....	22	2	1950	VanAllan, J. A.....	23	2	1951
Crane, E. M.....	23	1	1951	West, W.....	28	4	1956
Fix, D. D.....	25	3	1953	Wilson, C. V.....	21	1	1949
Fix, D. D.....	28	3	1956	Young, D. S.....	25	1	1953
Fowler Jr., W. F....	26	3	1954	Young, D. S.....	25	2	1953
French, D. L.....	21	2	1949	Zuehlke, C. W.....	21	4	1949
Hagemeyer Jr., H. J..	22	1	1950	Zuehlke, C. W.....	24	1	1952
Happ, G. P.....	26	2	1954	Zuehlke, C. W.....	24	2	1952
Hasche, R. L.....	21	1	1949	Zuehlke, C. W.....	26	1	1954

9044